

## SEQUENCE LISTING

<110> IMMUCON INC.  
 SULLIVAN, Robert  
 BERUBE, Bruno  
 LEGARE, Christine  
 GAUDREAU, Christian

<120> ACROSOMAL SPERM PROTEIN AND USES THEREOF

<130> 13045-2PCT FC/ld

<150> US09/090,567

<151> 1998-06-08

<160> 8

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1031

<212> DNA

<213> Artificial Sequence

<220>

<221> CDS

<222> (124)...(856)

<223> p26h cDNA

<400> 1

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tgagcagatc aacgttaacc tcagccctc cctcgccac aggaggacac tgggtgcagc	120
agc atg aag ctg aat ttc act ggt ctc agg gct ctg gtg aac ggg gca	168
Met Lys Leu Asn Phe Thr Gly Leu Arg Ala Leu Val Thr Gly Ala	
1 5 10 15	
ggg aga ggg att ggg cga ggc act ggc aaa gcc ctg cat gcc tca gga	216
Gly Arg Gly Ile Gly Arg Gly Thr Ala Lys Ala Leu His Ala Ser Gly	
20 25 30	
gcc aaa gtg gtg gcc gtg tca ctc atc aac gaa gac ctg gtc agc ctg	264
Ala Lys Val Val Ala Val Ser Leu Ile Asn Glu Asp Leu Val Ser Leu	
35 40 45	
gcc aaa gag tgt ccg ggc ata gag cct gtg tgt gtg gac ctg ggt gac	312
Ala Lys Glu Cys Pro Gly Ile Glu Pro Val Cys Val Asp Leu Gly Asp	
50 55 60	
atg gag gcc aca gag aag gca ctg ggc cgt att ggc ccc gtg gac ctg	360
Ile Glu Ala Thr Glu Lys Ala Leu Gly Arg Ile Gly Pro Val Asp Leu	
65 70 75	

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ctg gtg aac aat gcg gcg gtg gcg cta gtg cag cct ttc ata cag tct	408
Leu Val Asn Asn Ala Ala Val Ala Leu Val Gln Pro Phe Ile Gln Ser	
80 85 90 95	
acc aag gag gtc ttt gac agg tcc ttc aat gtg aat gtg cgc tct gtg	416
Thr Lys Glu Val Phe Asp Arg Ser Phe Asn Val Asn Val Arg Ser Val	
100 105 110	
ctg caa gtg tcc cag atg gta gcc aag gcc atg att aac cgt gga gtg	504
Leu Gln Val Ser Gln Met Val Ala Lys Gly Met Ile Asn Arg Gly Val	
115 120 125	
gca gga tcc att gtc aac atc tcc agc atg gtg gcc tat gtc acc ttc	551
Ala Gly Ser Ile Val Asn Ile Ser Ser Met Val Ala Tyr Val Thr Phe	
130 135 140	
cct ggt cta gcc aag tac agc tcc acc aag ggt gct aca acc atg ctg	600
Pro Gly Leu Ala Thr Tyr Ser Ser Thr Lys Gly Ala Ile Thr Met Leu	
145 150 155	
acc aac gcc atg gcc atg gag ctg gga cca tac aag atc cgg gtg aac	648
Thr Lys Ala Met Ala Met Gln Leu Gly Pro Tyr Lys Ile Arg Val Asn	
160 165 170 175	
tct gta aat cct acc gtg gtg ctg act gag atg ggc aag caa gtc tct	696
Ser Val Asn Pro Thr Val Val Leu Thr Asp Met Gly Lys Lys Val Ser	
180 185 190	
gca gag ccg gaa ttc gcc aag aag ccc aag gag cgc cag cca ctg agg	744
Ala Asp Pro Gln Phe Ala Lys Lys Leu Lys Gln Arg His Pro Leu Arg	
195 200 205	
aag ttc gcc gag gtg gag gag gtg gcc aac agc atc ctc atc ctg ctg	792
Lys Phe Ala Gln Val Glu Asp Val Val Asn Ser Ile Ser Phe Leu Leu	
210 215 220	
agc gag agc agc gcc tct acc agc ggc tct ggc acc ctg atg gag gct	840
Ser Asp Ser Ser Ala Ser Thr Ser Gly Ser Gly Ile Leu Val Asp Ala	
225 230 235	
ggt tac cta gcc ttc t agaaggccca ggtgcagggg actcctggag acttcctgg	888
Gly Tyr Leu Ala Ser	
240	
ctccac tctt acatcaagac ccgccttcca acccaaccca ataattttgt tccaatcctg	955
tagagccca cccacacac atccatccc aacttttagac tccgggatcc cgcattcca	1016
taccagtat gctgagataa ttgattaaa taagtatccc aaaccacaaa aaaaaaaaaa	1066
aaaaa	1081

&lt;210&gt; 2

&lt;211&gt; 244

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; p26

&lt;400&gt; 2

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Met Lys Leu Asn Phe Thr Gly Leu Arg Ala Leu Val Thr Gly Ala Gly
 1             5             10             15
Arg Gly Ile Gly Arg Gly Thr Ala Lys Ala Leu His Ala Ser Gly Ala
 20             25             30
Lys Val Val Ala Val Ser Leu Ile Asn Glu Asp Leu Val Ser Leu Ala
 35             40             45
Lys Glu Cys Pro Gly Ile Glu Pro Val Cys Val Asp Leu Gly Asp Trp
 50             55             60
Glu Ala Thr Glu Lys Ala Leu Gly Arg Ile Gly Pro Val Asp Leu Leu
 65             70             75             80
Val Asn Asn Ala Val Ala Leu Val Gln Pro Phe Ile Gln Ser Thr
 85             90             95
Lys Glu Val Phe Asp Arg Ser Phe Asn Val Asn Val Arg Ser Val Leu
100            105            110
Gln Val Ser Gln Met Val Ala Lys Gly Met Ile Asn Arg Gly Val Ala
115            120            125
Gly Ser Ile Val Asn Ile Ser Ser Met Val Ala Tyr Val Thr Phe Pro
130            135            140
Gly Leu Ala Thr Tyr Ser Ser Thr Lys Gly Ala Ile Thr Met Leu Thr
145            150            155            160
Lys Ala Met Ala Met Glu Leu Gly Pro Tyr Lys Ile Arg Val Asn Ser
165            170            175
Val Asn Pro Thr Val Val Leu Thr Asp Met Gly Lys Lys Val Ser Ala
180            185            190
Asp Pro Gln Phe Ala Lys Lys Leu Lys Glu Arg His Pro Leu Arg Lys
195            200            205
Phe Ala Gln Val Glu Asp Val Val Asn Ser Ile Leu Phe Leu Leu Ser
210            215            220
Asp Ser Ser Ala Ser Thr Ser Gly Ser Gly Ile Leu Val Asp Ala Gly
225            230            235            240
Tyr Leu Ala Ser

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&lt;210&gt; 3

&lt;211&gt; 912

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; P34 cDNA

&lt;400&gt; 3

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gacnaaaagct ggagctccac cgcggtggcg gccctctag aactagtgga tccccgggga 60
tgcaggaatt cggcacgagc cgacatggag ctgttccctc cgggcgcgcg ggtgctggtc 120
accggggcag gcaaaggatat agggcgcggc acggtccagg cgtgcaacgc gacgggcgcg 180
cgggtggttg ctgtgagccg gactcaggcg gatcttgaca gcttggtccg cgagtgcgcg 240
gggatagaac ccgtgtgcgt ggacctgggt gactgggagg ccacgcagcg ggcgtcgggc 300
agcgtgggac ccgtggacct gctggtgaac aaegccgctg tgcacctgct gcagcccttc 360
ctggagggtc ccaaggaggc ctttgacaga tctttgagg tgaacctgcg tgcggtcac 420

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caggtgtctgc agattgtgpc caggggctta atagcccggg gagtaccagg ggcacatcgtg 480
aatgtctccca gccagtgtct ccagcgggca gtaactaacc atagcgtcta ctgtccacc 540
aagggtgccc tggacatgct gaccaagggt atggccctag agtcggggcc ccacaagatc 600
cgagtgaatg cagtaaaccc cacagtgggt atgacgtcca tgggccaggc cacttgaggt 660
gaccccacaa aggccaaagc tatgctgaac cgaatcccac ttggcaagtt tgctgaggt 720
gagcacgtgg tgaacgccat cctctttctg ctgagtgacc gaagtggcac gaccacgggt 780
tccactttgc cgggtgaaaag ggggttctgg gactgtgag ctcctccac acacctcaag 840
cctatgccg tctcactct acccccaatc cctocaataa acctgattct gctcccaaaa 900
aaaaa aaa aa 912

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<210> 4

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> P34 antigenic fragment

<400> 4

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Met Glu Leu Phe Leu Ala Gly Arg Arg Val Leu
1           5           10

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<210> 5

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Antigenic Fragment of P34

<400> 5

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Cys His Lys Ala Lys Thr Met Leu Asn Arg Ile
1           5           10

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<210> 6

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> cDNA for use as primer

<400> 6

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gtgacagggg caggyaaaag g

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21

<210> 7

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> cDNA for use as primer

<400> 7

gcactgagc agactaggag 4

21

<210> 8

(211) 19

212 PRT

(213) Artificial Sequence

(220)

(223) P26h

(220)

221. VARIANT

.222: (1) . . . (19)

4223. Xaa = Any Amino Acid

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1 5 10 15  
Gly Ile Gly